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REPORT NO.

50X1

COUNTRY Poland

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DATE DISTR. 18 Dec. 1953

SUBJECT The Bydgoszcz/Jachcice Thermal Power Plant

NO. OF PAGES 5

DATE OF INFORMATION

REFERENCES:

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PLACE ACQUIRED

THIS IS UNEVALUATED INFORMATION

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I. Identification Data:

Reference to Encl. 1, Overlay of GSGS 4416, Sheet M-12, Bydgoszcz/Jachcice Thermal Power Plant and Points of Interest.

Pt. # 1. Bydgoszcz/Jachcice Thermal Power Plant N 53-09, E 18-00.

# 2. Brda River.

# 3. RR Tracks: double track, European standard gauge. Leading south 40 km. to Inowroclaw N 52-48, E 18-16 and north 200 km. to Gdansk.

# 4. RR Tracks: four tracks, European standard gauge. Leading west 23 km. to Naklo N 53-09, E 17-36.

II. Site Layout

Reference to Encl. 2, Memory Sketch of Bydgoszcz/Jachcice Thermal Power Plant.

Pt. # 1. Brda River.

# 2. Bridges: two brick RR bridges over Brda River.

# 3. RR Tracks: Refer to Pt. 4, Encl. 1.

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- # 4. RR Tracks: Refer to Pt. 3, Encl. 17.
- # 5. Building: wood, 15 x 8 x 5 m., with tar paper covered gable roof. This building was used by a kayak club.
- # 6. Canal: concrete, two meters wide. This canal was used for the disposal of water used for the cooling of power plant condensers. [redacted] there was another canal, (exact location unknown) located underground and it supplied installation with water from the Brda River.
- # 7. Dirt Road: five meters wide.
- # 8. Fence: wood, 2½ m. high, surrounding entire installation. [redacted] unable to accurately locate area enclosed by fence.
- # 9. Building: brick, 15 x 8 x 15 m. [redacted] this building to be the transformer station. 50X1
- # 10. Guard Shack: brick, 5 x 3 x 2½ m., with tar paper covered gable roof. One armed installation guard was posted at shack.
- # 11. Main Thermal Power Plant Building: concrete, 55 x 25 x 20 m. The alphabets indicated on sketch show exact location and position of equipment in building. There were exactly seven boilers in building lettered A to G; these boilers were actually marked in this manner. Boilers A to F inclusive were German Babcock Wilcox type. The pressure in kg.'s of steam per square centimeter or atmospheres for these boilers was about 25 and temperature 300° C. Boiler G was a German Steinmuller type and its pressure in kg.'s of steam per square centimeter was about 32 and temperature of 320° C. I, J and K were turbines; turbines I and J were supplied steam by boilers A to F inclusive. Turbine K was supplied steam by boiler G. Turbine K and boiler G were installed by the Germans during World War II by the A.E.G. (Allgemeine Elektricitäts-Gesellschaft) firm. The M section of building was the pumping room. The ground floor of north section of building contained the chemical softening of water; other floors of this section were believed to be switching and relay rooms.
- # 12. Building: attached to building [Pt. 11, above], contained administrative offices.
- # 13. Building: concrete, 20 x 15 x 20 m. This building was attached to building [Pt. 11, above], and its construction was completed in the spring of 1953. [redacted] a new boiler (Babcock Wilcox type) was being installed in this building and its actual lettering was going to be H. The productiveness of this boiler was going to be 50 tn. per hour and its pressure in kg.'s of steam per square centimeter or atmospheres was to be about 40 and temperature of about 355° C. The letter L in building [Pt. 11, above] was reserved for a turbine which was to be purchased from Sweden (Stal type); this turbine was to be supplied steam by boiler H and its power was to be 10 megawatts. The installing of this new boiler and turbine was expected to be completed by the end of 1954. 50X1
- # 14. New Construction: a new chimney was to be built at this site for boiler H and turbine L. It was to be of iron, its exact height 40 m.; and completed by the end of 1954.

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- # 15. Warehouse: wood, 20 x 15 x 4 m., with tar paper covered gable roof. Warehouse stored parts for new boiler H.
- # 16. Building: wood, 20 x 10 x 4 m., with tar paper covered gable roof. This building was used as an office building for the firm which was installing new boiler. The firm name unknown belonged to the Bureau of Construction of Power Plants.
- # 17. Conveyor Belt Motor and Belt: power of motor was 15 kilowatts. The conveyor belt was 120 m. long and one meter wide. This conveyor belt served as a reserve way of transporting coal from box cars on tracks [Pt. 21, below] to coal pile bins [Pt. 18, below].
- # 18. Coal Bins: three concrete bins. The south bin was under construction [redacted] It was to contain coal for new boiler H and turbine L.
- # 19. Coal Distributing Conveyor: a circular conveyor with scoop shovel which transported coal from coal bins into building [Pt. 11, above].
- # 20. Crane: traveling crane with steam shovel type scoop used for unloading box cars of coal from tracks [Pt. 21, below].
- # 21. RR Tracks: three tracks, European standard gauge. These tracks were used for transporting coal into installation.

### III. Additional Information:

[redacted]

Poland is divided into four electric energy regions. They are the central, western, southern and northern. [redacted] the northern region [redacted] it contained the Gdansk, Bydgoszcz, Koszalin and Olsztyn provinces. No further information.

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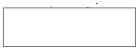
### ENCLOSURES:

1. Pinpoint Location of Bydgoszcz/Jachcice Thermal Power Plant
2. Memory Sketch of Bydgoszcz/Jachcice Thermal Power Plant

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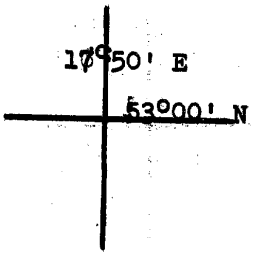
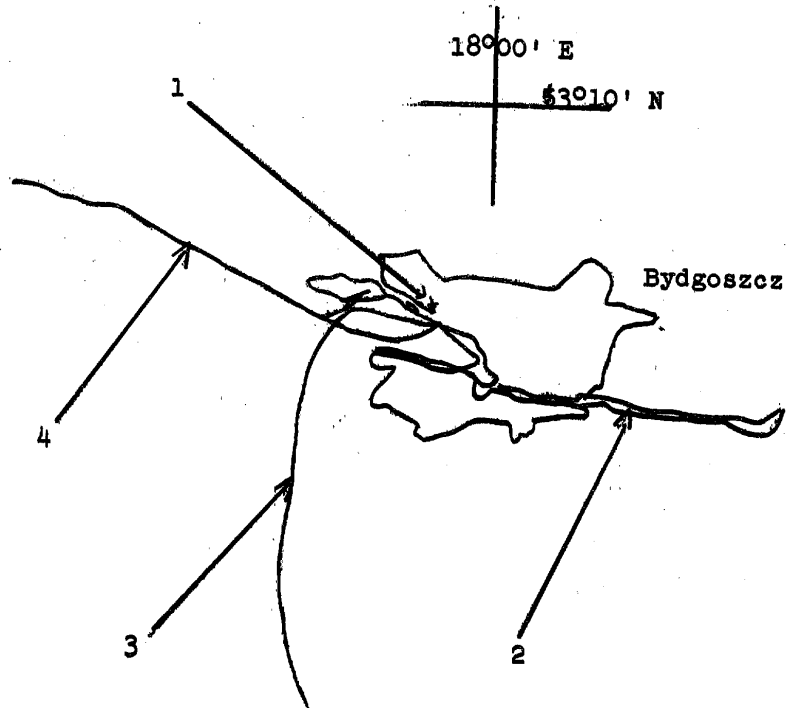
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ENCLOSURE 1:

Pinpoint Location of Bydgoszcz/Jachcice Thermal Power Plant



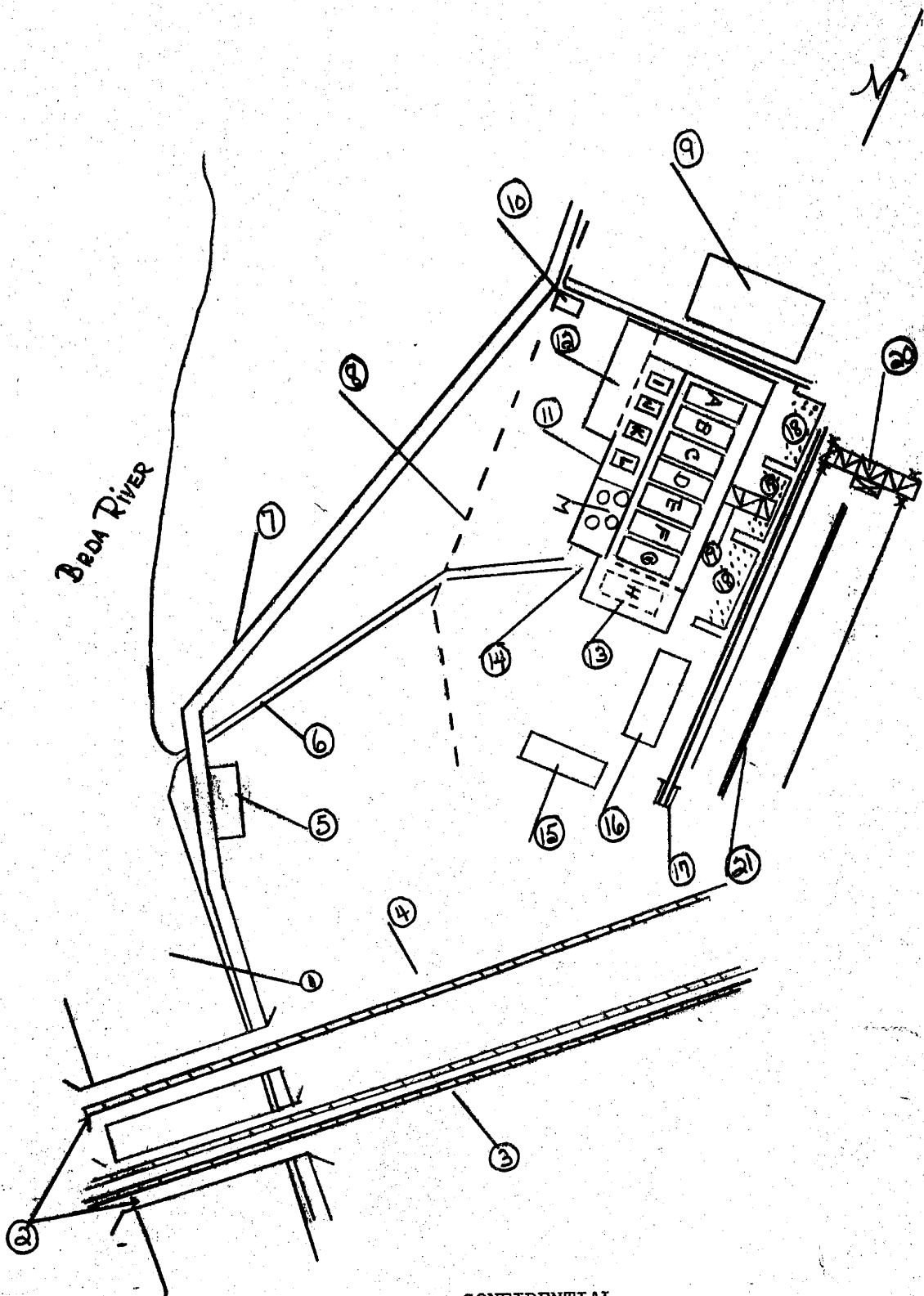
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ENCLOSURE 2:

Memory Sketch of Bydgoszcz/Jachcice Thermal Power Plant



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